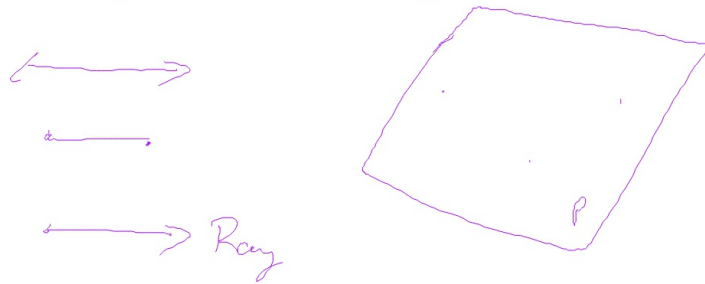
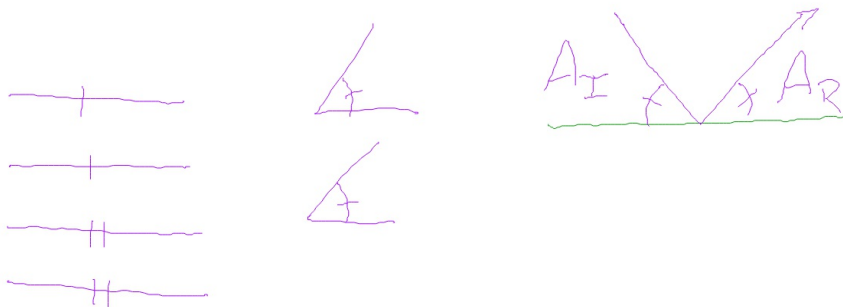


I will be able to learn the terminology and notation of points, lines, line segments, rays, planes, angles, colinear and coplanar points and learn the idea of congruence of line segments.



I will be able to show the measures of angles and segments on figures, become familiar with the symbols for marking figures, learn the idea of angle congruence, and learn that in physical situations the incoming angle (angle of incidence) is equal to the outgoing angle (angle of reflection).



IWBAT practice writing definitions and define special angle relationships.

IWBAT classify polygons and related terms.

IWBAT define and classify triangles and quadrilaterals, along with their related parts.

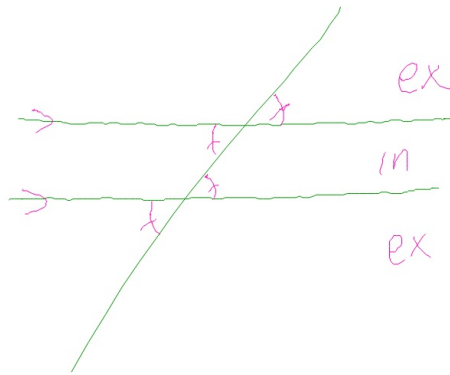
IWBAT become familiar with inductive reasoning and use inductive reasoning to find the next item in a pattern.

IWBAT become familiar with deductive reasoning and learn the relationship between inductive reasoning and deductive reasoning.

IWBAT discover relationships between special pairs of angles.



IWBAT explore relationships of the angles formed by a transversal cutting parallel lines.



IWBAT distinguish among sketches, drawings, and constructions, and discover construction methods to duplicate a segment, an angle, and a polygon.

IWBAT discover a method of constructing perpendicular bisectors and midpoints, and make conjectures about perpendicular bisectors

IWBAT discover methods of constructing perpendiculars to a line from a point not on the line and from a point on the line, and discover a method for finding the shortest path from a point to a line

IWBAT discover methods of constructing an angle bisector, make a conjecture about angle bisectors, and explore how to construct special angles by dividing and combining 60° and 90° angles.

IWBAT explore through construction whether or not a triangle can be determined given certain parts.

IWBAT investigate the relationship between the slopes of parallel lines and perpendicular lines.

IWBAT learn about transformations; identify and create translations, rotations, and reflections in the plane; apply the concepts of reflectional, rotational, and translational symmetry; and discover symmetries of regular polygons.

IWBAT find a minimal path using reflections.

IWBAT discover the result of reflecting a figure over two parallel lines and over two intersecting lines and learn about glide reflections.